

PROGRAMMABLE LIGHT SOURCE DEVICE FOR MOBILE PHONE DISPLAY

ABSTRACT OF THE DISCLOSURE

A programmable light source device for mobile phone displays is provided, including an electroluminescence panel, and a driving integrated circuit (IC). The electroluminescence provides luminance light source to the mobile phone display and is capable for light color change. The driving IC sends out signals to the electroluminescence panel in order to control its activation and color change, including change timing and patterns. The driving IC also receives input from the user through the keypad to set the desired illumination effect and color change.